

**Commonwealth of Kentucky
Division for Air Quality**

PERMIT APPLICATION SUMMARY FORM

Completed by: Dorothy Nguyen

GENERAL INFORMATION:

Name:	CTA ACOUSTICS, INC.
Address:	Southeast KY. Regional Industrial Authority Park
Date application received:	3/31/2003
SIC/Source description:	3714 Thermal/Acoustical Insulation
EIS #:	21-121-00062
Application log number:	55629
Permit number:	F-03-013

APPLICATION TYPE/PERMIT ACTIVITY:

<input checked="" type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input checked="" type="checkbox"/> Conditional major
__Administrative	<input type="checkbox"/> Title V
__Minor	<input type="checkbox"/> Synthetic minor
__Significant	<input type="checkbox"/> Operating
<input type="checkbox"/> Permit renewal	<input checked="" type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input checked="" type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☒ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☒ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

Pollutant	Actual (tpy)	Potential (tpy)
PM	40.0*	40.0
SO ₂	0.2	0.2
NO _x	32.9	32.9
CO	27.6	27.6
VOC	18.6*	90.0
Ammonia	Limited to 90.0	Limited to 90.0
50-00-0 (Formaldehyde)	Limited to 9.8 tpy*	Limited to 9.8 tpy*
108-95-2 (Phenol)	Limited to 9.8 tpy*	Limited to 9.8 tpy*
Combined HAPs	Limited to 22.5 tpy*	Limited to 22.5 tpy*

*Emissions are after control

SOURCE PROCESS DESCRIPTION:

CTA Acoustics, Inc. manufactures thermal/acoustical insulation product for the automotive industry and other customers. CTA Acoustics, Inc. proposes to install two fiberglass/ resin blending, and oven curing lines in their new facility in Corbin, Kentucky. These lines can produce either fully cured or semi-cured insulation mat. The fully cured product transferred to the coating operation where water based acrylic coating is applied. The “semi-cure” product is heated to a level sufficient to allow the mat to be handled and transported to the molding press operation. In the molding press operation, this semi-cured mat is formed to its final shape and “fully-cured”. Two thermal oxidizers will control VOC emissions from the curing ovens. Particulate emissions are controlled by dust collector. There is no control for ammonia.

EMISSION AND OPERATING CAPS DESCRIPTION:

CTA Acoustics, Inc. is voluntary requesting an emission limit (emission cap) 9.8 TPY or less for individual hazardous air pollutant (HAP) (i.e. phenol), and 22.5 TPY or less for combined HAPs (i.e. formaldehyde and phenol) for the affected facilities. Criteria pollutants are limited to less than or equal to 90 tons per year.